



November 5, 2009

Ms. Gail Mitchell, Deputy Director
Clean Water Enforcement Branch
Water Protection Division
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, SW
Atlanta, GA 30303-8960

Re: Information Request Pursuant to Section 308 of the Clean Water Act
Private Drinking Water Well Monitoring Report

Dear Ms. Mitchell,

In accordance with the Information Request pursuant to Section 308 of the Clean Water Act dated October 6, 2009, Dalton Utilities is submitting to EPA for review and approval the Private Drinking Water Well Monitoring Report (see Attachment A).

If you have any questions, please contact me at 706-529-1091 or dcope@dutil.com.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false

Ms. Gail Mitchell
November 5, 2009
Page 2 of 2

information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

A handwritten signature in black ink, appearing to read "Don Cope", with a long horizontal flourish extending to the right.

Don Cope
President & CEO

Attachment

- c: Mr. Allen Barnes, Georgia Environmental Protection Division (cover letter only)
Dr. Marlin Gottschalk, Sustainability Division Georgia Department of Natural
Resources (cover letter only)
Dr. Bert Langley, Georgia Environmental Protection Division (cover letter only)
Lee A. DeHihns, Esq.

Dalton Utilities

Private Drinking Water Well Monitoring Report

October 2009

Dalton Utilities Drinking Water Well Monitoring Report

Table of Contents

Executive Summary	3
Drinking Water Well Monitoring Report.....	4
1. Identified Locations for Survey	4
2. Sample Collection.....	5
3. Vacant Residences	5
4. Sample Analyses.....	6
5. Summary of Analytical Results	6
6. Additional Actions.....	7
7. Future Reports.....	8

Attachments

Attachment A	Correspondence from North Georgia Health District
Attachment B	List of Compounds for Analyses
Attachment C	List of Locations that Refused Sampling
Attachment D	Analytical Report on PFC Analysis Lot # D9H110160
Attachment E	Analytical Report on PFC Analysis Lot # D9H120160
Attachment F	Analytical Report on PFC Analysis Lot # D9H150176
Attachment G	Analytical Report on PFC Analysis Lot # D9H220152
Attachment H	Analytical Report on PFC Analysis Lot # D9H250123
Attachment I	Analytical Report on PFC Analysis Lot # D9H260198
Attachment J	Analytical Report on PFC Analysis Lot # D9I010246
Attachment K	Analytical Report on PFC Analysis Lot # D9I020235
Attachment L	Analytical Report on PFC Analysis Lot # D9I040249
Attachment M	Analytical Report on PFC Analysis Lot # D9I100275
Attachment N	Analytical Report on PFC Analysis Lot # D9I120206
Attachment O	Analytical Report on PFC Analysis Lot # D9I150267
Attachment P	Summary of Analytical Results
Attachment Q	Map of All Private Well Sample Locations
Attachment R	Map of All Private Well Samples above Reporting Limit

Dalton Utilities Drinking Water Well Monitoring Report

Executive Summary

In May 2009, Dalton Utilities collected samples at various locations on the LAS. In response to sample results obtained from the ground water monitoring wells on the LAS, Dalton Utilities decided to conduct a drinking water well survey to identify private drinking water that had the potential to have been impacted by the ground water coming from the LAS. Dalton Utilities designed the well survey to begin in the immediate vicinity of the LAS in areas deemed to be downgradient and where it was questionable as to the availability of public drinking water and then expand out to test all residential locations that use a well for potable water in a one mile radius around the LAS property boundary.

The private drinking water well survey was conducted in accordance with Dalton Utilities Private Drinking Water Well Survey Protocol. The private drinking water well survey began in August 2009 and is essentially complete. The lists of residential locations by road name were confirmed and corrected using actual field surveys of each and every road to ensure all locations were identified and included in the private well survey. Each location was cross checked against Dalton Utilities drinking water customer database in addition to the other public drinking water systems in the area. Any location not shown to have public drinking water was surveyed to determine if the location utilized a private well for its drinking water source. If a private well was being utilized for drinking water, the well was immediately sampled to determine the levels of Perfluorinated Compounds (PFCs), if any, in the private well.

The private drinking water wells sample results indicated 102 wells did not have levels of PFOA and PFOS above the contract laboratory's reporting limit or level of quantification. Seven wells indicated levels of PFOA or PFOS at or above the contract laboratory's reporting limit or level of quantification and require quarterly sampling for at least four consecutive quarters. One well was indicated a level of PFOS at or slightly above the published public health advisory level. The resident at this location is being provided bottled water pending connection to public water. None of the wells sampled indicated levels of PFOA above the published public health advisory level.

Beyond these follow up actions and based on the results of the private drinking water well survey, no additional survey work is required at this time.

Dalton Utilities Drinking Water Well Monitoring Report

Drinking Water Well Monitoring Report

1. Identified Locations for Survey

In accordance with Dalton Utilities Private Drinking Water Well Survey Protocol, all locations within a one mile radius of Dalton Utilities Land Application System (LAS) boundary were compiled. These locations were then cross referenced against Dalton Utilities' customer database in addition to the other public drinking water systems in the area. Any location not shown to have public drinking water was compiled as locations for potential sampling as part of this project.

These locations were then contacted via telephone and/or in person by representatives of Dalton Utilities to verify if a private drinking water well was being utilized by the residence. If a private well was being utilized as the primary drinking water source, permission was obtained from an adult resident to sample the well with respect to PFCs. If a public water system connection was being utilized as the primary source of drinking water, it was noted in the records and no sample was collected.

All locations noted in the field to not be a part of the existing list of potential survey locations were added to the list and the residents contacted to determine the presence of a private drinking water well and sampling conducted, if necessary. Any location found to utilize a public drinking system connection was noted as such in the survey records and no sample was collected.

At the suggestion of the United States Environmental Protection Agency (EPA), Dalton Utilities sought to review any Intent to Drill forms the Whitfield County and Murray County Health Department possessed for locations within the survey's one mile radius. Per the District Director of Environmental Health of the North Georgia Health District, which includes Whitfield and Murray Counties, they do not have any such forms for locations within the targeted area. Therefore, no additional locations were compiled from this source. The correspondence from the North Georgia Health District to Dalton Utilities dated October 20, 2009, is attached herein as Attachment A.

To ensure no additional locations exist in the survey radius, Dalton Utilities has requested all available information from the Georgia Environmental Protection Division as they are the governing agency for well drillers in the State of Georgia per the North Georgia Health District's correspondence. Any additional locations in the survey radius determined to not be part of the initial survey will be added to the list and the residents contacted to determine the presence of a private drinking water well and sampling conducted, if necessary. Any subsequent analytical results received by Dalton Utilities pursuant to this sampling will be submitted to EPA within five (5) days and included in the monthly progress report to EPA in accordance with the Clean Water Act (CWA) Section 308 letter from Mr. James Giattina, EPA, to Dalton Utilities dated October 6, 2009.

Dalton Utilities Drinking Water Well Monitoring Report

To date, Dalton Utilities has surveyed over 1,900 locations on XX roads to determine the existence of a private drinking water well within the one mile radius of Dalton Utilities Land Application System (LAS) boundary. All of the locations compiled through the methodology delineated in the Dalton Utilities Private Drinking Water Well Survey Protocol have been surveyed.

2. Sample Collection

Identified locations were verified to utilize either a public water system connection or private well as their primary source of drinking water. If a private drinking water well was being utilized, a sample was collected immediately after obtaining verbal permission from an adult resident. The sample was collected by qualified personnel and in accordance with EPA's Standard Operating Procedure for Potable Water Supply Sampling, SESDPROC-305-R1. Latitudes and longitudes, using Global Positioning System (GPS) equipment, were also obtained for each sample collection location.

The sample was then properly labeled and submitted to a contract laboratory for analysis of the compounds indicated in Attachment B. At the time of this survey, the selected contract laboratory did not have standards and/or validated methods developed for the additional Perfluorinated chemicals (PFCs) noted in the Clean Water Act (CWA) Section 308 letter from Mr. James Giattina, EPA, to Dalton Utilities dated October 6, 2009. As such, the list of compounds indicated in Attachment B reflects the full current analytical capabilities of the contract laboratory as well as the corresponding detection limits with respect to PFCs.

To date, Dalton Utilities has verified that 1,760 locations surveyed utilized a public water system connection. 115 private wells were found as being utilized as primary sources of drinking water. Verbal consent was obtained from an adult resident for 110 of the private drinking water wells. The residents at five locations found to utilize a private drinking water well refused to grant Dalton Utilities access to the private well for sampling purposes (see Attachment C for locations). All 110 of the consenting locations were sampled immediately following verification and consent and were analyzed for the compounds listed in Attachment B.

3. Vacant Residences

For locations where there were no signs of occupancy, such as foreclosed or abandoned properties, contact with a resident could not be made. Dalton Utilities is researching property records to determine additional means of notification and sending written correspondence to these addresses requesting the owner contact Dalton Utilities to determine the existence of a private drinking water well and coordinate sampling of the well, if any. Any subsequent analytical results received by Dalton Utilities pursuant to this sampling will be submitted to EPA

Dalton Utilities Drinking Water Well Monitoring Report

within five (5) days and included in the monthly progress report to EPA in accordance with the Clean Water Act (CWA) Section 308 letter from Mr. James Giattina, EPA, to Dalton Utilities dated October 6, 2009.

4. Sample Analyses

Post collection, samples were properly labeled and submitted to a contract laboratory for analysis of the compounds indicated in Attachment B. The samples were analyzed in accordance with the contract laboratory's standards, protocols, and validated methodology which is noted as DEN-LC-0012 in the final analytical reports. At the time of this survey, the selected contract laboratory did not have standards and/or validated methods developed for the additional Perfluorinated chemicals (PFCs) noted in the Clean Water Act (CWA) Section 308 letter from Mr. James Giattina, EPA, to Dalton Utilities dated October 6, 2009. As such, the list of compounds indicated in Attachment B reflects the full current analytical capabilities of the contract laboratory as well as the corresponding detection limits with respect to PFCs.

Final analytical results for all wells received to date by Dalton Utilities are attached as Attachments D, E, F, G, H, I, J, K, L, M, N, and O which are provided herein as bound reports titled Test America Laboratories, Inc. Analytical Report on Perfluorocarbon (PFC) Analysis Lot # D9H110160 which contains 642 pages, Lot # D9H120160 which contains 230 pages, Lot # D9H150176 which contains 473 pages, Lot # D9H220152 which contains 480 pages, Lot # D9H250123 which contains 326 pages, Lot # D9H260198 which contains 331 pages, Lot # D9I010246 which contains 700 pages, Lot # D9I020235 which contains 387 pages, Lot # D9I040249 which contains 859 pages, Lot # D9I100275 which contains 276 pages, Lot # D9I120206 which contains 503 pages, and Lot # D9I150267 which contains 277 pages, respectively.

Dalton Utilities has received preliminary results for the remaining private wells; however, final analytical results for these wells have not been received from the contract laboratory. In accordance with the Clean Water Act (CWA) Section 308 Information Request from Mr. James Giattina, EPA, to Dalton Utilities dated October 6, 2009, Dalton Utilities will provide EPA with the final analytical results within five (5) days of receipt of said results.

5. Summary of Analytical Results

A summary of the preliminary and final results are attached herein as Attachment P. Additionally, the GPS coordinates collected for each sample location are noted on Attachment P and were uploaded to Dalton Utilities internal geographic information system (GIS) mapping system. The locations where samples were collected from private water wells are illustrated in Attachment Q.

Dalton Utilities Drinking Water Well Monitoring Report

Upon review, you will notice some of the samples collected from private drinking water wells indicated on Attachment Q are outside of the survey's one mile radius. For these locations, there were insufficient markers in the field to properly determine when the full one mile radius had been surveyed. Therefore, to err on the side of caution, the survey continued in these areas until it was verified that the complete one mile radius had been encompassed in the survey.

As shown in Attachment P, of the 110 private wells sampled, 102 wells (93%) were determined to have levels of PFOA and PFOS below the contract laboratory's reporting limit or level of quantification. Further, as indicated in Attachment P, eight wells out of the 110 sampled (7%) were determined to have levels of PFOA or PFOS at or above the contract laboratory's reporting limit or level of quantification. The respective location of the private well samples determined to have levels of PFOA or PFOS at or above the contract laboratory's method detection limit or level of quantification are indicated in Attachment R.

As shown in Attachment R, only one of these eight wells, less than 1% of the total wells sampled, was determined to be at or slightly above the published public health advisory level for PFOS. None of the wells sampled indicated levels of PFOA above the published public health advisory level.

Additionally, as shown in Attachment P, the quality control duplicates, field blanks, and trip blanks indicate the expected results which illustrates the proper procedures were utilized and no unforeseen contamination occurred during the sampling events.

6. Additional Actions

The one well that indicated a level slightly above the published public health advisory for PFOS in the initial sample was resampled to verify the initial results. The resample of this private well also validated the initial sample results as shown in Attachment P.

Upon receipt of the resample results, the resident was notified of the findings and bottled water provided to the home until such time as access to public water is made available. To date, Dalton Utilities has begun the process of connecting this resident to the closest public water system and will continue to furnish the resident with bottled water in the interim.

The seven wells determined to have levels of PFOA or PFOS at or above the contract laboratory's reporting limit or level of quantification and below the published public health advisory were notified of the results and permission from an adult resident obtained to sample the private drinking water well on a quarterly basis for at least four consecutive quarters for the compounds listed in Attachment B until the level of PFOA and PFOS are demonstrated to be reliably and consistently below the published health advisory levels, the private well is no

Dalton Utilities Drinking Water Well Monitoring Report

longer serving as a supply for drinking water, or the private well serving as supply for drinking water is being treated and maintained to levels below the published health advisory levels (e.g. granular activated carbon) in accordance with the Clean Water Act (CWA) Section 308 letter from Mr. James Giattina, EPA, to Dalton Utilities dated October 6, 2009.

The remaining wells that were determined to have levels of PFOA and PFOS below the contract laboratory's reporting limit or level of quantification were advised of the results and that additional actions were not necessary in accordance with the Clean Water Act (CWA) Section 308 letter from Mr. James Giattina, EPA, to Dalton Utilities dated October 6, 2009.

Further, Dalton Utilities has evaluated these results to determine if the expansion of the survey is warranted. As a sufficient number of private wells, 110 wells, were sampled as part of this private drinking water well survey, no lack of private wells to be sampled in the initial one mile radius was found. Dalton Utilities does not have any data on the sampling of other wells, well construction data, information on specific sources of PFOA and PFOS, or data on the existence of any already identified wells located in close proximity to but outside of the initial one mile radius of this survey to be factored into this evaluation.

As only one private drinking water well indicated a level at or above the published health advisory for PFOS, no private wells indicated a level at or above the published health advisory for PFOA, and only approximately 7% of the private wells sampled indicated a level of PFOA or PFOS at or above the contract laboratory's reporting limit or level of quantification, the sample results do not indicate a necessity to expand the private well survey beyond the initial one mile radius from the LAS property boundary. This is further supported by the fact that the one well that exhibited PFOS at or slightly above the published public health advisory level is located immediately adjacent to the land application system property.

7. Future Reports

All additional actions as part of this survey will be reported to EPA as part of the monthly progress report in accordance with the Clean Water Act (CWA) Section 308 letter from Mr. James Giattina, EPA, to Dalton Utilities dated October 6, 2009. Any additional final sample results received by Dalton Utilities as part of the initial survey or quarterly monitoring will be submitted to EPA within five (5) days as stipulated in the Clean Water Act (CWA) Section 308 letter from Mr. James Giattina, EPA, to Dalton Utilities dated October 6, 2009.



October 20, 2009

Dena Haverland
Regulatory Compliance Manager
Dalton Utilities
1200 Parrott, Jr. Parkway
P.O. Box 869
Dalton, GA 30722

RE: Request for Intent to Drill Forms

Dear Dena,

I checked with our environmental health offices in Whitfield and Murray Counties. Murray had a few old forms but none for wells within a one-mile radius of the subject property. Whitfield reported having no intent-to-drill forms.

I was working in public health in 1985 when the Georgia Well Water Standards Act was passed. At first we received great numbers of intent-to-drill forms but over the years compliance declined so that now we receive almost none from well drillers. This seems to be the typical condition throughout Georgia unless a county board of health passes a well location ordinance. Georgia EPD is the governing agency for well drillers and intent-to-drill forms.

I'm sorry we could not be of more help. Please call me if you have any questions or if I may otherwise be of assistance.

Sincerely,

Raymond R. King
District Director of Environmental Health

List of Perfluoridated Compounds (PFC) for Chemical Analyses

As Revised June 17, 2009, by EPA

Compound	Acronym	Reporting Limit (RL) ug/l	Method Detection Limit (MDL) ug/l
Perfluorobutanoic acid	C4	0.02	0.0062
Perfluoropentanoic acid	C5	0.03	0.0082
Perfluorohexanoic acid	C6	0.02	0.0030
Perfluoroheptanoic acid	C7	0.02	0.0054
Perfluorooctanoic acid	C8 / PFOA	0.02	0.0055
Perfluorononanoic acid	C9	0.02	0.0065
Perfluorodecanoic acid	C10	0.02	0.0026
Perfluoroundecanoic acid	C11	0.02	0.0025
Perfluorododecanoic acid	C12	0.02	0.0040
Perfluorotridecanoic acid	C13	0.02	0.0072
Perfluorotetradecanoic acid	C14	0.02	0.0087
Perfluorobutane sulfonate	PFBS	0.02	0.0045
Perfluorohexane sulfonate	PFHxS	0.03	0.0084
Perfluorooctane sulfonate	PFOS	0.02	0.0068
Perfluorooctane sulfonamide	PFOSA	0.05	0.0057

Locations Where Sampling Was Refused

Address	Date
190 Zeke Allen Road	8/31/2009
5347 Hwy 225	9/3/2009
622 Center Hill Church Road	9/3/2009
955 Center Hill Church Road	9/3/2009
1261 Center Hill Church Road	9/3/2009

Sample ID	Location	Latitude	Longitude	PFOA (ppb)	PFOA (ppb)	PFOS (ppb)	PFBA (ppb)	PFPA (ppb)	PFHxA (ppb)	PFHbA (ppb)	PFNA (ppb)	PFOA (ppb)	PFUnA (ppb)	PFDoA (ppb)	PFTA (ppb)	PFTeA (ppb)	PFBS (ppb)	PFHxS (ppb)	PFOSA (ppb)
1	795 Tarvin Road	-84.90160286	34.63911344	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	798 Tarvin Road	-84.90132655	34.64022661	ND	ND	ND	0.0084 J	0.016 J	0.013 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	797 Tarvin Road	-84.90159688	34.63904691	0.011 J	ND	ND	0.011 J	0.02 J	0.018 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	682 Tarvin Road	-84.90048987	34.63836125	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0054 J	ND	ND
5	479 Brackett Ridge Road	-84.88632812	34.63317026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6	489 Brackett Ridge Road	-84.88884997	34.63296623	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	483 Brackett Ridge Road	-84.88748418	34.63377587	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8	615 Tarvin Road	-84.89806687	34.63944881	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9	1204 Brackett Ridge Road	-84.88657532	34.64249216	0.02	0.019 J	0.0078 J	ND	0.0075 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10	135 Acorn Drive	-84.88438121	34.64380477	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11	4619 Brackett Ridge Road	-84.92462289	34.66781761	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	300 Acorn Drive	-84.88130592	34.6425369	0.06	0.017 J	0.0089 J	0.015 J	0.023 J	0.023	0.023	ND	ND	ND	ND	ND	ND	0.0094 J	0.014 J	ND
13	277 Brackett Ridge Road	-84.88314975	34.63403417	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	1063 Brackett Ridge Road	-84.88880452	34.64144187	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	719 Brackett Ridge Road	-84.88693477	34.63573385	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	24 Bright Road	-84.84917368	34.64173904	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0096 J
17	231 Brackett Ridge Loop	-84.8824573	34.63323203	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	721 Brackett Ridge Road	-84.88984576	34.6354794	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
19	722 Brackett Ridge Road	-84.88984576	34.6354794	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20	600 Tarvin Road	-84.89785663	34.63888775	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
21	6898 Hwy 225	-84.82649312	34.66390999	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
22	8185 Hwy 225	-84.84103161	34.65179665	0.29	0.24	0.071	0.12	0.14	0.092	0.092	0.049	ND	ND	ND	ND	ND	0.38	0.072	ND
23	8745 Hwy 225	-84.8453545	34.64426955	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24	8609 Hwy 225	-84.84588909	34.64804144	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25	8970 Hwy 225	-84.84752945	34.64050639	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26	9279 Hwy 225	-84.85188021	34.63924739	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27	93 River View Drive	-84.87955456	34.70497152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
28	189 River View Drive	-84.87937318	34.70349497	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
29	38 River View Drive	-84.87868557	34.70583337	ND	ND	ND	ND	ND	0.0048 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
30	428 Holly Drive	-84.87899842	34.70320353	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
31	196 River View Drive	-84.87918376	34.7034393	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
32	382 Holly Drive	-84.87785791	34.7032197	ND	ND	ND	ND	ND	0.0031 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33	273 West Holly Creek Drive	-84.87376901	34.70161618	0.0687 J	ND	0.0683 J	0.012 J	0.012 J	0.012 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dup	Dup - 93 River View Drive	-84.87955456	34.70497152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
34	206 Meadow Drive	-84.87761384	34.70380386	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
35	4279 Browns Bridge Road	-84.87182773	34.70575952	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
36	3950 Browns Bridge Road	-84.86631868	34.7051221	ND	ND	ND	0.0068 J	ND	0.004 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
37	3799 Browns Bridge Road	-84.86356772	34.70642328	0.011 J	0.043	0.01 J	0.013 J	0.0085 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
38	3677 Browns Bridge Road	-84.86150634	34.70602662	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
39	3660 Browns Bridge Road	-84.86156715	34.70479001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
40	3764 Browns Bridge Road	-84.86283856	34.70415538	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trip Blk	Trip Blank	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
41	3403 Browns Bridge Road	-84.85637079	34.70669306	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
42	3334 Browns Bridge Road	-84.85554573	34.70567838	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
43	3500 Browns Bridge Road	-84.85710419	34.70489118	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
44	3255 Browns Bridge Road	-84.85432106	34.70651568	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
45	275 Arts Charles Road	-84.85420083	34.70981985	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
46	310 Davenport Road	-84.85394226	34.70110054	ND	ND	ND	ND	ND	0.0047 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dup	Dup - 3403 Browns Bridge Road	-84.85637079	34.70669306	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
47	2558 Browns Bridge Road	-84.847159527	34.70740886	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
48	132 Kirby Young Road	-84.83946626	34.70932017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
49	772 Kirby Young Road	-84.83630476	34.70170758	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50	Field Blank	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
51	916 Kirby Young Road	-84.83530972	34.69932085	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
52	134 Buford Ridley Road	-84.83648342	34.69586139	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.017 J	ND	ND
53	160 Buford Ridley Road	-84.83641759	34.69561508	0.0083 J	0.01 J	ND	ND	ND	0.0083 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
54	234 Buford Ridley Road	-84.836553976	34.69450076	ND	ND	ND	ND	ND	0.0039 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID	Location	Latitude	Longitude	PFOA (ppb)	PFOS (ppb)	PFBA (ppb)	PFPA (ppb)	PFHxA (ppb)	PFHpA (ppb)	PFNA (ppb)	PFDA (ppb)	PFUnA (ppb)	PFDoA (ppb)	PFTA (ppb)	PFTeA (ppb)	PFBS (ppb)	PFHKS (ppb)	PFOSA (ppb)
55	275 Buford Ridley Road	-84.8365111	34.69341018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
56	279 Buford Ridley Road	-84.83611735	34.69297598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
57	281 Buford Ridley Road	-84.83656583	34.69153316	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
58	287 Buford Ridley Road	-84.83333468	34.69354572	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
59	100 N GA Raceway Road	-84.82479549	34.69069602	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
60	220 N GA Raceway Road	-84.8272927	34.69069593	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
61	463 Zeke Allen Road	-84.83051626	34.68541702	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
62	362 Zeke Allen Road	-84.82946733	34.68603426	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
63	355 Zeke Allen Road	-84.82913844	34.68656697	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
64-Dup	Dup - 916 Kirby Young Rd	-84.83530972	34.69932085	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
65	290 N GA Highway	-84.82843147	34.68996858	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
66	Resample - 8165 Highway 225	-84.84103161	34.65179665	0.22	0.2	0.064	0.13	0.14	0.11	0.04	0.0099 J	ND	ND	ND	ND	0.066	ND	ND
67	737 Kirby Young Road	-84.83762757	34.70139891	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.36	ND	ND
68	10368 Hwy 225	-84.86749183	34.63005625	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
69	7357 Hwy 225	-84.83377266	34.66174404	ND	ND	ND	ND	ND	ND	ND	ND	0.0029 J	ND	ND	ND	ND	ND	ND
70	300 N GA Raceway Road	-84.82944696	34.69167499	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
71	252 Center Hill Church Road	-84.80645618	34.69420113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72	346 Center Hill Church Road	-84.80977099	34.69237726	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
73	1121 Center Hill Church Road	-84.811886143	34.68666798	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
74	1143 Center Hill Church Road	-84.81976178	34.68609127	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75	167 Zeke Allen Road	-84.82766541	34.68563586	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dup	Dup - 167 Zeke Allen Road	-84.82766541	34.68563586	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dup #2	Dup - 300 N GA Raceway Rd	-84.82944696	34.69167499	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trip Blk	Trip Blank	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blk	Field Blank	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
76	20304 Waterloo Drive	-84.90635509	34.73463492	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
78	814 Tilton Bridge Road	-84.90635509	34.73463492	0.013 J	0.019 J	ND	ND	0.0074 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
79	280 Fox Bridge Road	-84.84291501	34.70340478	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
80	1138 Fox Bridge Road	-84.83930047	34.69080676	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
81	1293 Fox Bridge Road	-84.84367414	34.68863508	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trip Blk	Trip Blank	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blk	Field Blank	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dup	Dup - 1293 Fox Bridge Rd	-84.84367414	34.68863508	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
82	333 Fox Bridge Road	-84.84318398	34.70209918	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
83	345 Fox Bridge Road	-84.84344447	34.70109615	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84	1535 Fox Bridge Road	-84.84174287	34.6854825	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
85	1111 Maple Grove Church Road	-84.82379058	34.64832853	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
86	421 Maple Grove Church Road	-84.82588707	34.65849291	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
87	5412 Hwy 225	-84.82377011	34.68618428	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
88	5315 Hwy 225	-84.82433265	34.68787691	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
89	5322 Hwy 225	-84.82556792	34.68889123	ND	0.024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
90	5263 Hwy 225	-84.82401446	34.68845269	0.1	0.018 J	0.04	0.08	0.06	0.042	0.023	ND	ND	ND	ND	ND	ND	ND	ND
91	5183 Hwy 225	-84.82406658	34.68948535	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.019 J	ND	ND
Dup	Dup - 1111 Maple Grove Church Rd	-84.82379058	34.64832853	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trip Blk	Trip Blank	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blk	Field Blank	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
92	4202 Hwy 225	-84.8191339	34.70274791	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
93	4496 Hwy 225	-84.82112533	34.6984862	0.01 J	0.062	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
94	6547 Hwy 225	-84.82646753	34.66940504	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95	6064 Hwy 225	-84.82436362	34.67907735	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
96	3361 Riverbend Road	-84.89746152	34.67786713	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
97	175 Harrison Lane	-84.95345403	34.72919701	0.018 J	0.011 J	ND	0.023	0.023	ND	ND	ND	ND	ND	ND	ND	0.016 J	0.013 J	ND
Trip Blk	Trip Blank	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blk	Field Blank	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dup	Dup - 3361 Riverbend Rd	-84.89746152	34.67786713	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
98	1258 Miller Road	-84.90241052	34.73666558	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
99	743 Artis Charles Road	-84.85513767	34.71645883	ND	ND	0.032	ND	0.024	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Attachment P to Dalton Utilities Private Drinking Water Well Monitoring Report

Sample ID	Location	Latitude	Longitude	PFOA (ppb)	PFOS (ppb)	PFBA (ppb)	PFPA (ppb)	PFHxA (ppb)	PFHpA (ppb)	PFNA (ppb)	PFDA (ppb)	PFUnA (ppb)	PFDoA (ppb)	PFTA (ppb)	PFTeA (ppb)	PFBS (ppb)	PFHxS (ppb)	PFOSA (ppb)
100	366 Kirby Young Road	-84.83904855	34.70736269	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
101	301 Buford Ridley Road	-84.83628197	34.69316186	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
102	9532 Hwy 225	-84.85555811	34.63655358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
103	9458 Hwy 225	-84.85420659	34.6372526	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104	1585 Cagle Road	-84.80239815	34.6526412	ND	ND	0.011	ND	0.0096	J	ND	ND	ND	ND	ND	ND	ND	ND	ND
105	4249 Hwy 225	-84.82083469	34.70219682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106	383 Center Hill Church Road	-84.81047182	34.69280948	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
107	440 Fox Bridge Road	-84.84170505	34.700633	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108	378 Fox Bridge Road	-84.84137941	34.70136457	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
109	149 Edd Ridley Road	-84.84205471	34.70482304	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
110	85 Meadow Road	-84.87792202	34.7056123	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
111	705 Peek Road	-84.9531046	34.71838353	0.084	0.056	0.017	J	0.035	0.061	0.04	ND	ND	ND	ND	ND	0.037	0.056	ND
112	240 Matlock Road	-84.90769191	34.7337633	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dup	Dup - 366 Kirby Young Rd	-84.83904855	34.70736269	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dup 2	Dup - 85 Meadow Road	-84.87792202	34.7056123	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dup 3	Dup - 705 Peek Road	-84.9531046	34.71838353	0.089	0.062	0.017	J	0.039	0.065	0.047	ND	ND	ND	ND	ND	0.038	0.068	ND
Dup 4	Dup - 240 Matlock Road	-84.90769191	34.7337633	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
113	210 Mansfield Road	-84.97533891	34.70067393	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
114	1257 Sane Road	-84.88605926	34.72722865	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dup 5	Dup - 210 Mansfield Road	-84.97533891	34.70067393	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dup 6	Dup - 1257 Sane Road	-84.88605926	34.72722865	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND